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(74) Agent: KUHL, Dietmar; Grünecker, Kinkeldey, Stock-  
mair & Schwanhäusser, Maximilianstrasse 58, 80538  
München (DE).

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(71) Applicant (for all designated States except US): MAT-  
SUSHITA ELECTRIC INDUSTRIAL CO., LTD  
[JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka  
571-8501 (JP).

(72) Inventors; and

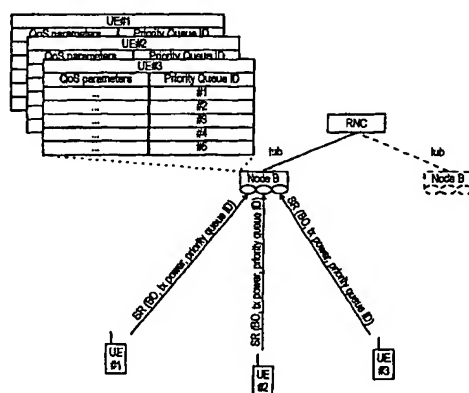
(75) Inventors/Applicants (for US only): LÖHR, Joachim  
[DE/DE]; Soderstr. 90, 64287 Darmstadt (DE). PETRO-  
VIC, Dragan [YU/DE]; Am Kaiserschlag 15, 64295  
Darmstadt (DE). SEIDEL, Eiko [DE/DE]; Moosbergstr.  
97 a-b, 64285 Darmstadt (DE).

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(54) Title: QUALITY-OF-SERVICE (QOS)-AWARE SCHEDULING FOR UPLINK TRANSMISSION ON DEDICATED CHANNELS



(57) Abstract: The invention relates to a method for scheduling in a mobile communication system where data of priority flows is transmitted by mobile terminals via dedicated uplink channels to a base station. Each mobile terminal transmits at least data of one priority flow via one of the dedicated uplink channels. Moreover, the invention relates to a base station for scheduling priority flows transmitted by mobile terminals via dedicated uplink channels to the base station. Further, a mobile terminal transmitting at least data of one priority flow via a dedicated uplink channel to a base station is provided. In order to optimize base station controlled-scheduling functions in a mobile communication system the invention proposes to provide the scheduling base station with QoS requirements of individual priority flows transmitted via an uplink dedicated channel and to adapt the mobile terminals to indicate the priority flows of which data is to be transmitted to the base stations for scheduling.

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